

APPROVED BY DRAFTSMAN O.G. FIG. CLASS SUBCLASS

Figure 1

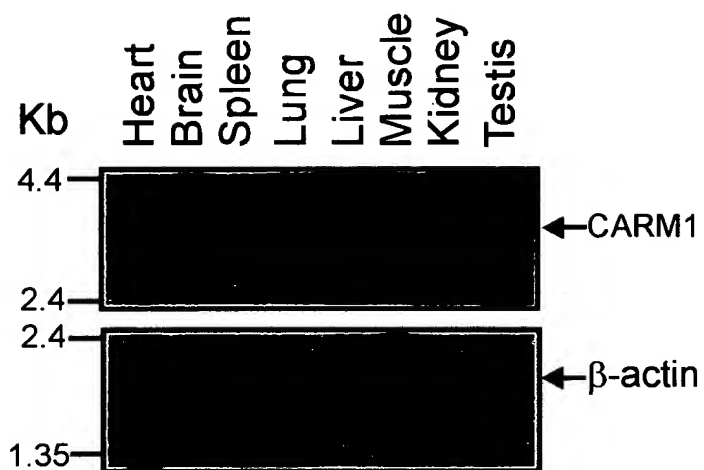
SEQ ID NO:1 CARM1 168 VRTGTYQRAILQNHTDFKDKIVLDVGC GSGILSFFAAQAG.ARKIYAVEASTMAQHA EVL 226  
SEQ ID NO:3 CARM1 168 VRTGTYQRAILQNHTDFKDKIAAAVGC GSGILSFFAAQAG.ARKIYAVEASTMAQHA EVL 226  
SEQ ID NO:7 hPRMT1 52 ---L--RNSMFH-RHL----V-----S-T---CM---K--.---VIGI-C-SISDY-VKI 111  
SEQ ID NO:8 hPRMT2 120 P--TK-HSV----KESLT--VI-----T----L-C-HYARP-AV-----E----TGQ- 179  
SEQ ID NO:9 hPRMT3 219 I--ES-RDF-Y--PHI----V-----T---M---K--.-K-VLG-DQ-EILYQ-MDI 277  
SEQ ID NO:10 yODP1 41 ---LS-RN-----KDL-----T---M---KH-.--KHVIG-DM-SIEM-KE- 99

SEQ ID NO:1 CARM1 227 VKSNNLTDRIVVIPGKVEEVSLP.EQVDIIISEPMGYMLFNERMLESYLHAK.KYLKPSG 284  
SEQ ID NO:3 CARM1 227 VKSNNLTDRIVVIPGKVEEVSLP.EQVDIIISEPMGYMLFNERMLESYLHAK.KYLKPSG 284  
SEQ ID NO:7 hPRMT1 112 --A-K-DHVVTI-K-----E--V-K-----W---C-Y-S---NTV---RD-W-A-D- 171  
SEQ ID NO:8 hPRMT2 180 -LQ-GFA-I-T-YQQ---D-V--.-K--VLV--W--TC-LF-F-I--I-Y-RDAW--ED- 238  
SEQ ID NO:9 hPRMT3 278 IRL-K-E-T-TL-K-I---H--V-K--V---W---F-LF-S--D-V-Y--N---AKG- 337  
SEQ ID NO:10 yODP1 100 -EL-GFS-K-TLLR-L--D-H--FPK-----W---F-LY-S-MDTV-Y-RDH--VEG- 159

SECRET - REF ID: A64377

APPROVED	O.G. FIG.	
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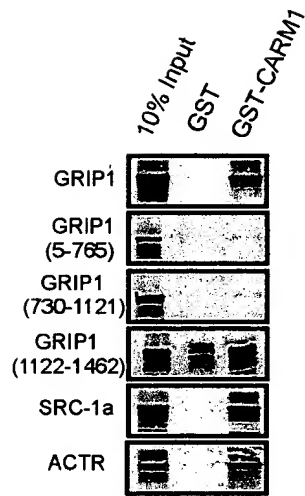
## FIGURE 2



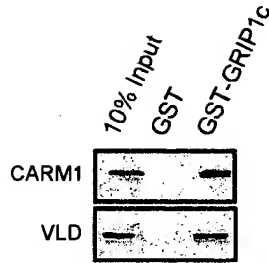
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## FIGURE 3

**A**

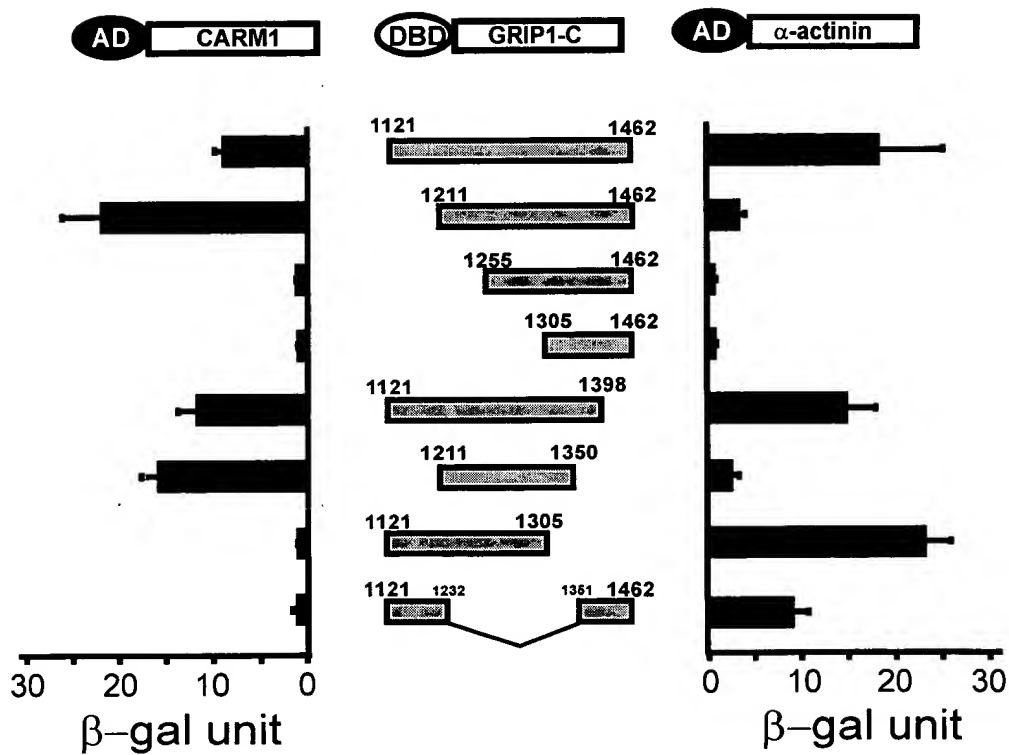


**B**



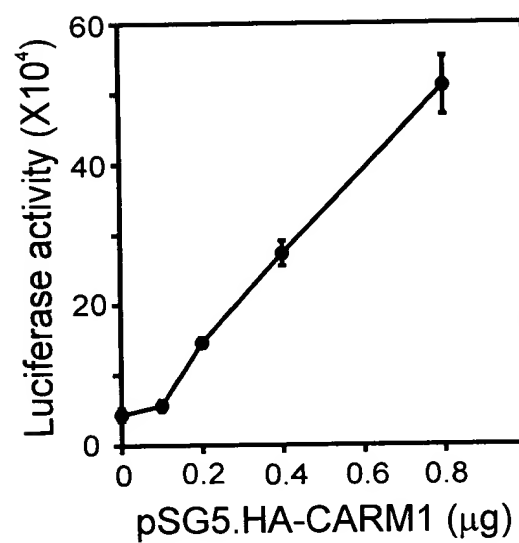
66777 224040

**DBD GRIP1-C**



## FIGURE 5

**A**



**B**

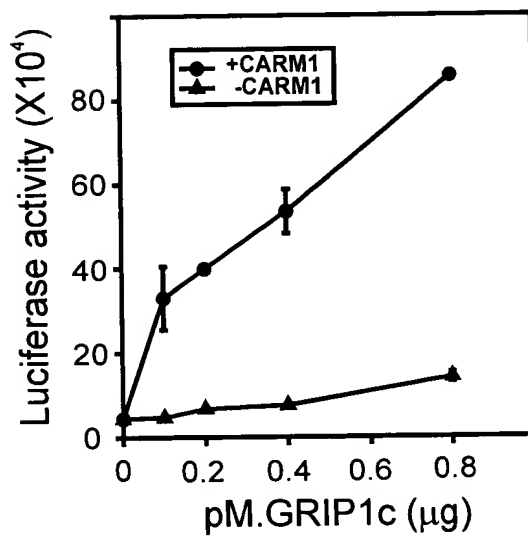
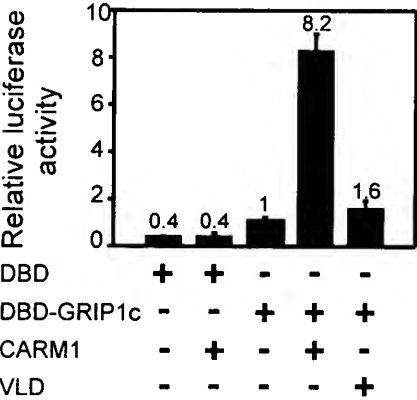
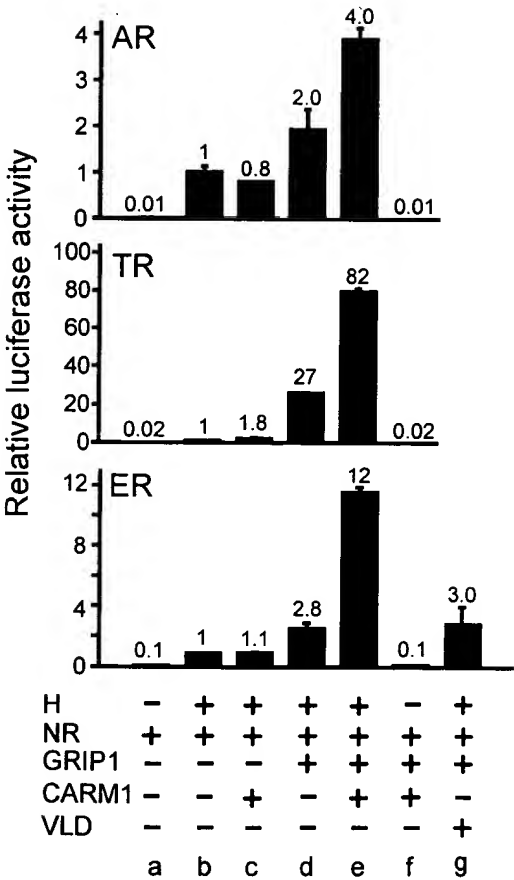


FIGURE 6

A

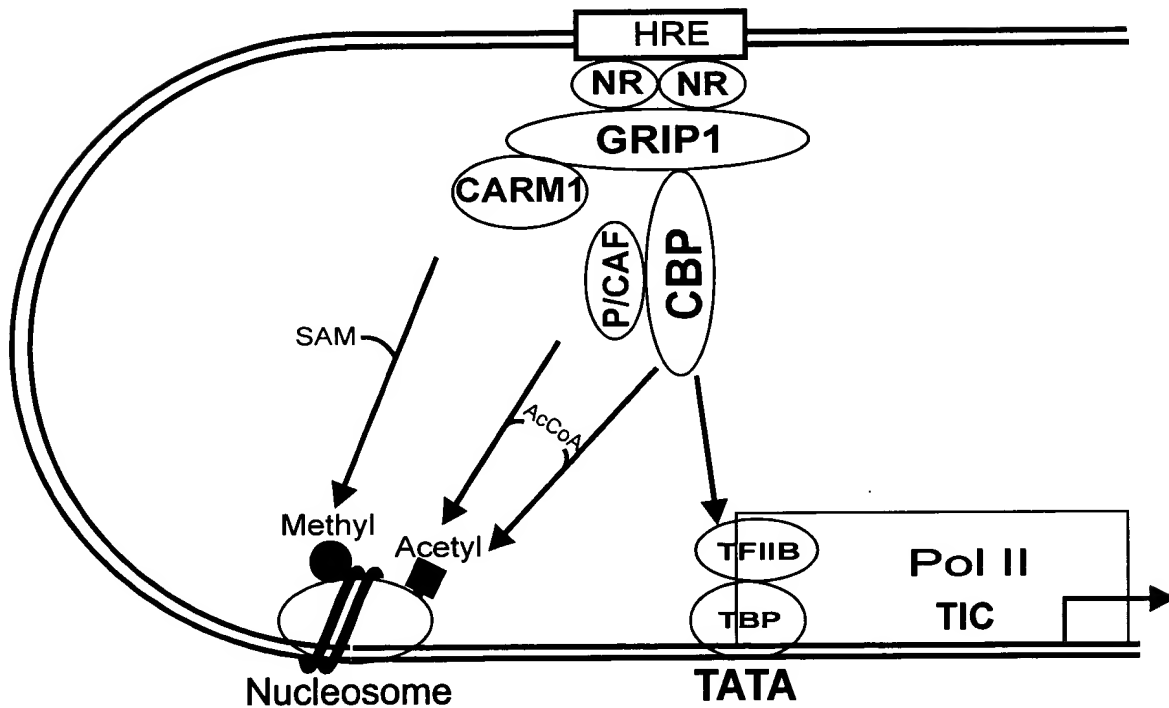


B



**FIGURE 7**

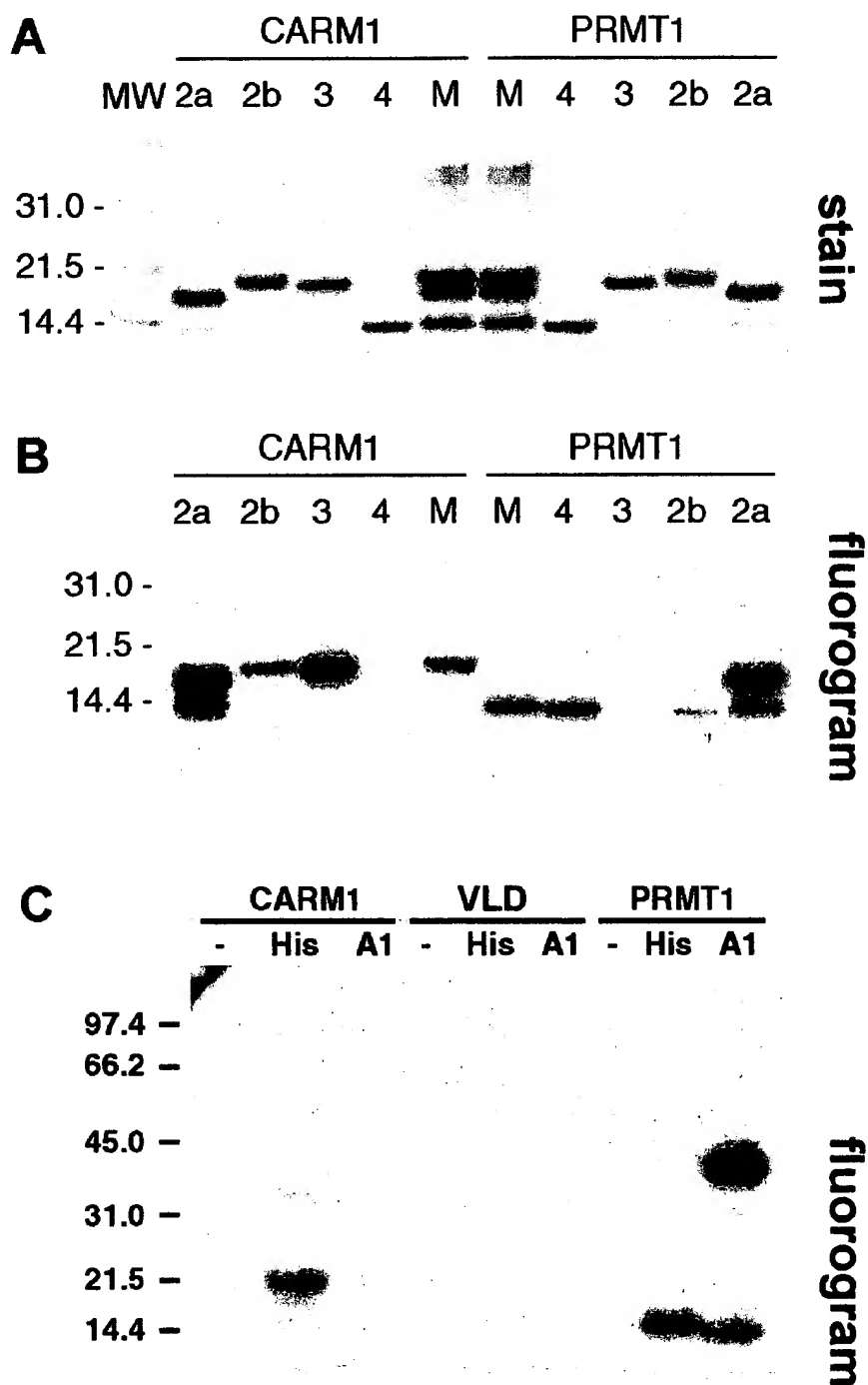
**Model: a Role for Protein Methylation in Transcriptional Regulation**



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## FIGURE 8

### Protein Methyltransferase Activity



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# FIGURE 9

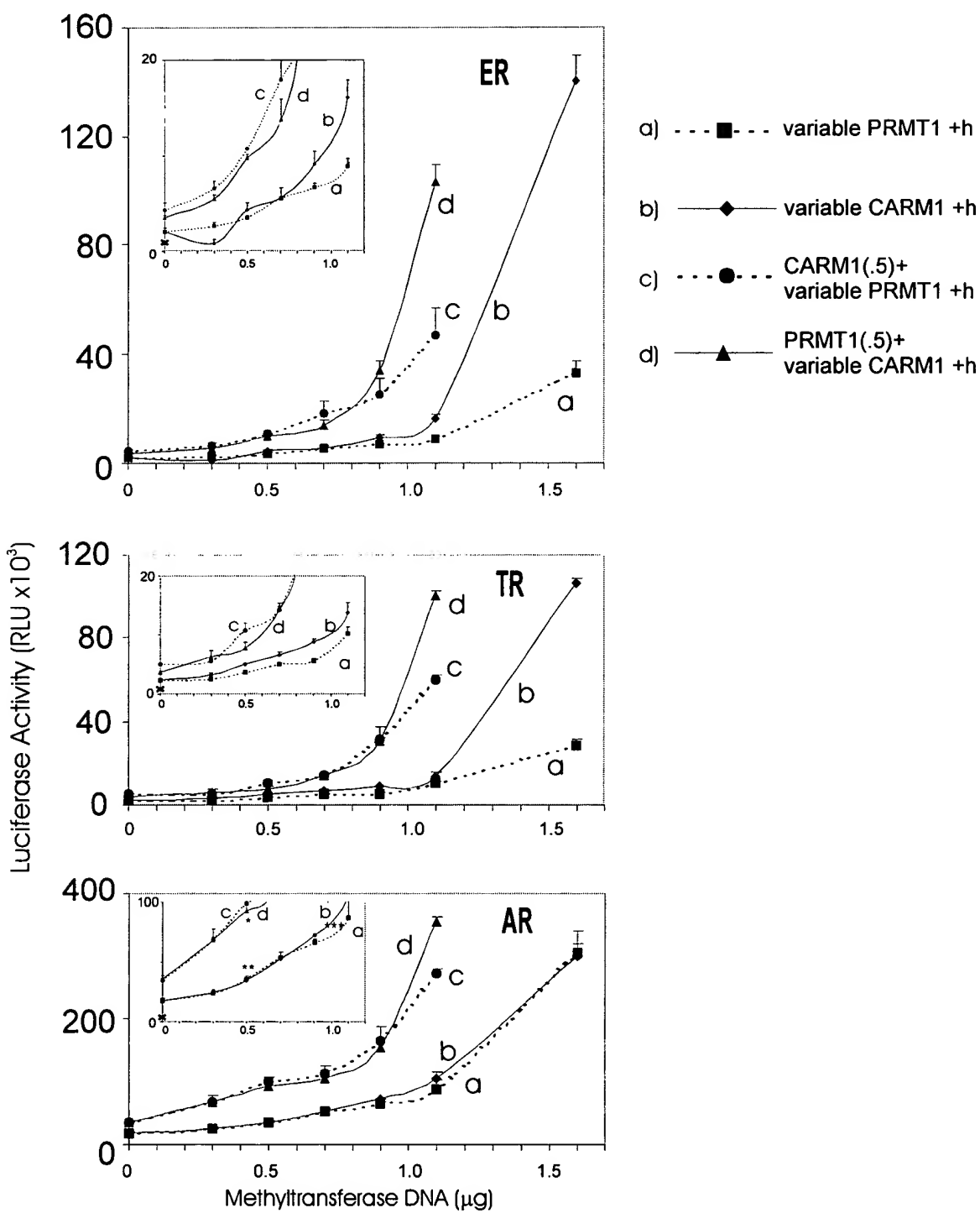
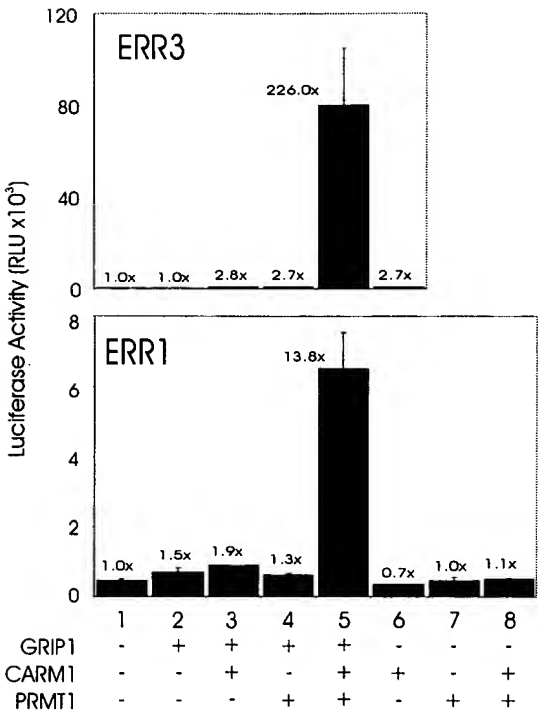


FIGURE 10

A



B

Synergy among three coactivators with different levels of ER

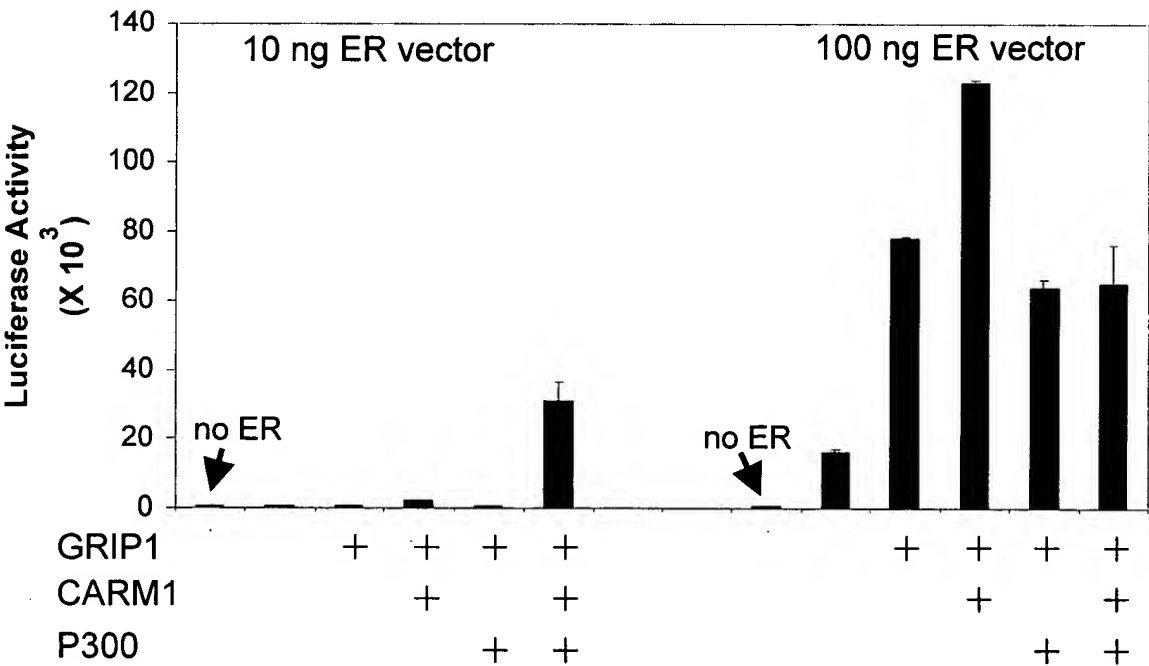
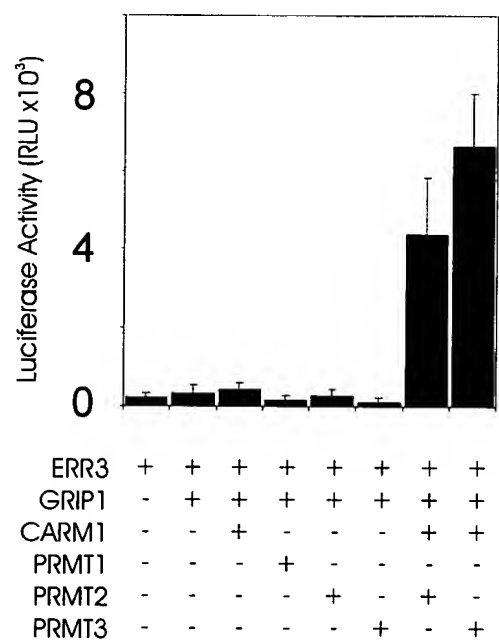


FIGURE 11



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